



JBL STUDIO 520C

Dual 100mm (4") Centre Channel Loudspeaker with High-Frequency Compression Driver in a Horn and Classic JBL® Bass

The JBL Professional loudspeakers you hear at your favourite movie theatre or concert venue share an important characteristic with our most advanced home speakers. They all employ constant-directivity compression drivers in a horn to deliver the massive amounts of high-impact, highly accurate sound and live-music experience that large audiences and critical listeners demand. Now JBL Studio 5 Series speakers, acoustically designed by renowned JBL chief engineer Greg Timbers, continue this performance-proven tradition. The JBL Studio 5 series features top-of-the-line professional speaker technology in a modern design while being very affordable. The 520C features a 25mm (1") HF compression driver and Bi-Radial® horn with dual 100mm (4") cast-frame Symmetrical Field Geometry (SFG) woofers for crisp movie dialogue and effects with dynamic realism and dimensional accuracy that closely duplicates the experience of a live performance. Engineered and voice-matched to other speakers in the JBL Studio 5 Series, the Studio 520C centre channel loudspeaker is powerful, accurate and styled to make an overwhelming statement in any listening environment.

TECHNICAL SPECIFICATIONS

Low-frequency transducers:	Two 100mm (4") PolyPlas™ cones with SFG magnet structures, cast frames and rubber surrounds, magnetically shielded
High-frequency transducer:	25mm (1") compression driver with neodymium magnet and one-piece Teonex® diaphragm on a glass-filled ABS Bi-Radial® horn, magnetically shielded
Recommended amplifier power:	150 watts
Frequency response:	60Hz – 40kHz (–6dB)
Nominal impedance:	6 ohms
Sensitivity (2.83V/1m):	88dB
Crossover frequencies:	1.5kHz
Enclosure type:	Ported
Connector type:	Dual gold-plated binding posts (bi-wire-capable)
Available finishes:	Black or cherry
Dimensions (H x W x D):	172mm x 555mm x 168mm
Weight:	7.5kg

Finishes:



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KEY FEATURES

Dual 100mm (4") Low-Frequency Transducers

- Stiff, lightweight ribbed PolyPlas cones with rubber surrounds
- 25mm (1") diameter Woofer Voice Coils
- Heavy-duty magnet assemblies with Symmetrical Field Geometry (SFG) technology
- Rigid, non-resonant cast aluminum frames

25mm (1") High-Frequency Compression Driver

- One-piece Teonex® diaphragm/surround with 25mm (1") voice coil
- Significantly lower distortion and greater dynamic range than conventional midrange and HF drivers

Glass-filled ABS Bi-Radial High-Frequency Horn

- Controlled directivity at ear level of seated listeners minimizes unwanted HF interaction with walls and furniture
- Cleaner, more realistic HF sound over a wider listening area

16mm (5/8") MDF Enclosure

- Rigid, heavily braced design with non-parallel surfaces reduces unwanted resonances

Low-loss, 2-way crossover network

- Smoothes transition between woofers and HF compression driver/horn
- Reduced distortion and coloration for improved sonic clarity

Exclusive Design

- Dynamic, one-of-a-kind look

KEY BENEFITS

- Rear-facing bass port increases output and extends bass response
- Dual gold-plated binding posts with bi-wire capability increases connection options
- Clean, powerful bass response at all listening levels
- Crisp, high-impact bass performance
- Clear, detailed sound with very low distortion



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